

# GLOBAL NETWORK

Our global facilities work together closely to meet the needs of customers around the world.



## Business Overview



### azbil Group Overseas

- Asia Pacific**
- Azbil Korea Co., Ltd.
  - Azbil Taiwan Co., Ltd.
  - Azbil Kimmon Technology Corporation
  - Azbil Vietnam Co., Ltd.
  - Azbil India Private Limited
  - Azbil (Thailand) Co., Ltd.
  - Azbil Production (Thailand) Co., Ltd.
  - Azbil Philippines Corporation
  - Azbil Malaysia Sdn. Bhd.
  - Azbil Singapore Pte. Ltd.
  - PT. Azbil Berca Indonesia
  - Azbil Saudi Limited

- Azbil Control Instruments (Dalian) Co., Ltd.
- Azbil Information Technology Center (Dalian) Co., Ltd.
- CECEP Building Energy Management Co., Ltd.
- Azbil Control Solutions (Shanghai) Co., Ltd.
- Shanghai Azbil Automation Co., Ltd.
- Yamatake Automation Products (Shanghai) Co., Ltd.
- Azbil Hong Kong Limited

- Europe and the Americas**
- Azbil North America Research and Development, Inc.
  - Azbil North America, Inc.
  - Azbil VorTek, LLC
  - Azbil Mexico, S. de R.L. de C.V.
  - Azbil Brazil Limited
  - Azbil Europe NV
  - Azbil Telstar, S.L.U.

### azbil Group in Japan

- Azbil Corporation
- Azbil Trading Co., Ltd.
- Azbil Yamatake Friendly Co., Ltd.
- Azbil Kimmon Co., Ltd.
- Azbil Kyoto Co., Ltd.
- Azbil TA Co., Ltd.
- Azbil Taishin Co., Ltd.
- Tem-Tech Lab

As of August 2020

Handling of products and services described in this Business Overview may differ by country or region.



The azbil Group works to preserve the environment.

### Azbil Corporation

Tokyo Building, 2-7-3 Marunouchi, Chiyoda-ku, Tokyo 100-6419, Japan  
www.azbil.com

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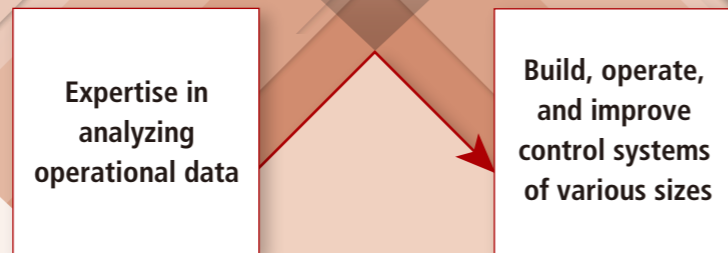
# The azbil Group's Goals for Human-Centered Automation

In the age of "big data," the azbil Group uses IoT and AI to meet the needs of an evolving industrial society, developing "new automation" in the areas of "systems, solutions, and services" and "sensors, actuators, and field devices." We achieve this through fusion of the latest in advanced technology with the technology and expertise we have cultivated in the fields of measurement and control.



## Management and Monitoring

Systems, Solutions, and Services



**The azbil Group's forte: Connecting field operations to management and monitoring**

Onsite expertise and know-how

Sensors, Actuators, Field Devices

## Wherever You Work

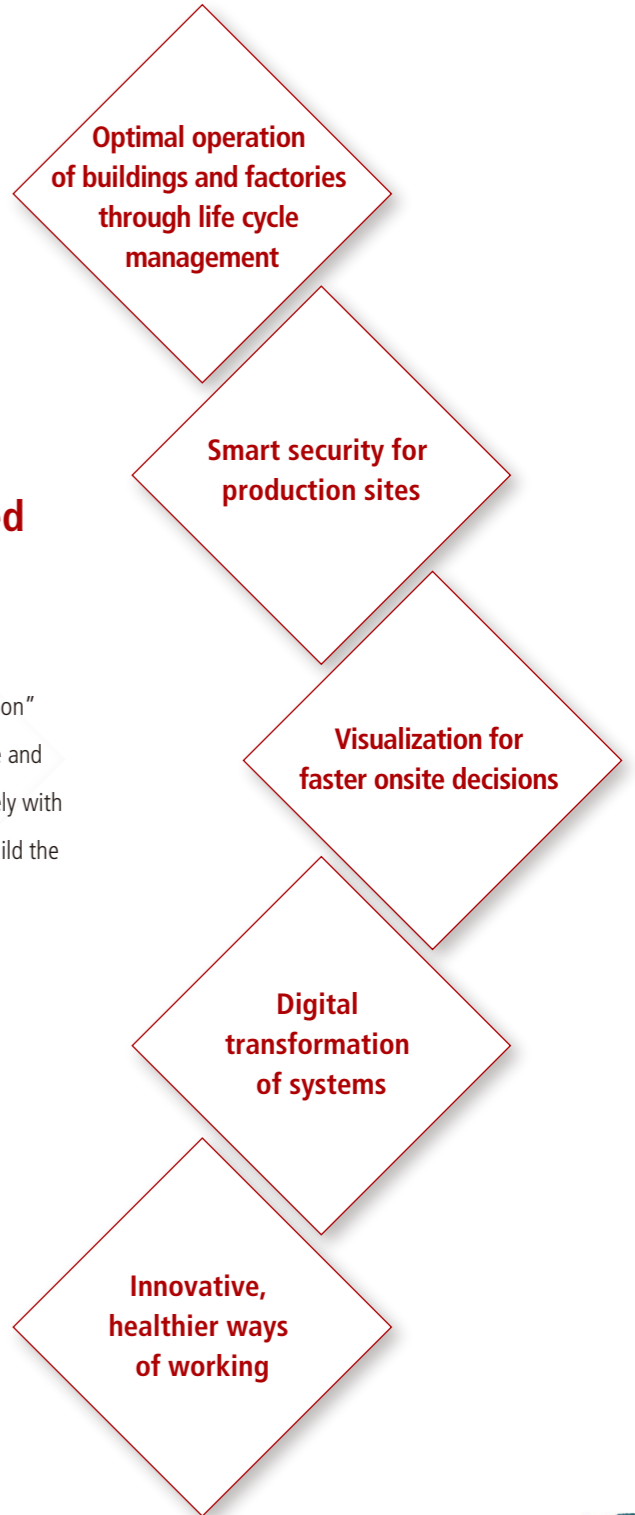


### What motivates us to create "new automation"

Using the expertise and know-how we have gained at manufacturing plants, on factory floors, and in buildings through the years, we are able to tackle problems together with you by visualizing the operational status of equipment and presenting data analysis in an easy-to-understand way. Helping you to solve problems also helps us to develop new sensors, actuators, and field devices and to create optimal control equipment.

### Value created together with you

Through "new automation" that combines hardware and software, we work closely with you at your facility to build the future of industry.



# Areas where the azbil Group is active

## Building Automation Business

Every building should provide comfort, functionality, and energy efficiency. We help to increase the asset value of buildings.

- Where to Find Our Solutions**
- Office buildings
  - Shopping centers
  - Schools
  - Airports
  - Hotels
  - Hospitals
  - Research laboratories
  - Data centers, etc.

## Advanced Automation Business

The azbil Group helps you to meet your challenges, including energy conservation, safety, quality improvement, and environmental issues. We make workplaces convenient, safe, and comfortable.

- Where to Find Our Solutions**
- Petrochemicals and chemicals
  - Iron and steel
  - Paper and pulp
  - Automobiles
  - Oil refining
  - Waste management, water supply, sewerage
  - Maritime shipping
  - Electrical equipment and electronics
  - Electric power and gas
  - Food
  - Pharmaceuticals
  - Semiconductors, etc.

## Life Automation Business

The azbil Group utilizes measurement and control technologies to help people live with greater safety, peace of mind, comfort, and energy efficiency.

- Where to Find Our Solutions**
- Gas (for homes and industries)
  - Water supply (local government)
  - Pharmaceutical manufacturing
  - Life science R&D labs
  - Home construction, etc.
  - Healthcare facilities

## Systems

## Solutions and Services

**Building Automation Systems**  
Monitoring and management of the indoor environment, security, equipment, and energy usage throughout the building

**Security Systems**  
Access control for buildings and rooms

**Total Energy Management Service**  
We efficiently manage the energy use of buildings, helping our customers to reduce their energy consumption. At the optimal point in the life cycle, we renovate and improve various types of facility.

**Comprehensive Building Management Service**  
We handle building operation and management through remote monitoring on a 24-7-365 basis, helping to create comfortable building environments and more efficient building management.

**Cloud Services for Buildings**  
We leverage IoT technology to increase the efficiency of the energy and facility management of buildings. This reduces management costs and provides a comfortable indoor environment.

**Total Building Automation System Maintenance**  
Through remote data collection and analysis, we provide reliable building and facility operation and reduce operational costs through preventive maintenance.

**Monitoring and Control Systems**  
Monitoring of manufacturing processes

**Anomaly Detection & Prediction and Operation Optimization**  
We assist you to have safer and more reliable operation and to optimize operational planning. Using operational data, we constantly monitor to detect anomalies and predict problems.

**Control Valve Maintenance Support System**  
Our smart valve positioners are equipped with high-performance sensors that detect the operational status of control valves while the plant is in operation. This allows detection of control valve or positioner irregularities at an early stage and makes maintenance work more efficient.

**Energy Management Solutions**  
Energy use at production sites includes air, steam, chilled water, hot water, electricity, and gas, among others. For each type, we can optimize energy utilization and management, provide visualization of energy use, and help you to comply with complex regulations.

**Control System Security**  
We provide cyber security to ensure that your vital control systems operate.

**Gas and Water Meters**  
Azbil Kimmon Co., Ltd.

**Cloud Services**  
Using LPWA (low-power wide area) technology and cloud computing, we provide a service that enables the utilization of data collected by gas and water meters.

**Life Science Engineering**  
Azbil Telstar, S.L.U.

**Pharmaceutical Manufacturing Equipment**  
Providing new solutions that make manufacturing sites safer and achieve high quality and high productivity in the pharmaceutical market.

**Residential Central Air-Conditioning Systems**  
Azbil Corporation

**Central Air Conditioning System**  
Maintains a comfortable temperature throughout the house year-round. Electronic air cleaners maintain clean air throughout the house and provide a comfortable living space.

## Sensors, Actuators, and Field Devices

**Sensors and Measurement Devices**  
Measurement of room temperature and humidity

**User-Operated Devices**  
Building users can set the temperature, humidity, etc.

**Regulators and Controllers**  
Control to keep building facilities and instruments in optimal condition

**Valves and Actuators**  
Optimal adjustment of the flow rates of hot/chilled water or steam used in buildings

**Security**  
Detects people entering and exiting buildings and rooms

**Control Valves**  
Optimal adjustment of gas and liquid flow rates at production sites

**Process Sensors**  
Measurement of flow rate, pressure, liquid level, and calorific value

**Controllers**  
Optimal control of processes, equipment, and facilities

**Sensors and Switches**  
Precise detection and high reliability to meet a wide range of needs at production sites

**Gas and Water Meters**  
Azbil Kimmon Co., Ltd.

**Gas Meters, Regulators, and Water Meters**

